

Proprietary Information of:  <b>POWER SOLUTIONS &amp; PROTECTION</b> a bel group	Title: <b>EMC Declaration of Conformity</b>	Document No. <b>URR.04315</b>	Rev. <b>AC</b>
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## *Declaration of Conformity*

We, Bel Fuse Inc., hereby declare under our sole responsibility that the products herein after referred to are in compliance with the European **EMC Directive 2014/30/EU**.

Manufacturer/Address: **Bel Fuse Inc.**  
**300 Executive Drive, Suite 300**  
**West Orange, NJ 07052**  
**USA**

Product: **DC-DC Converter**

Type Designation: **RCM1000 Series**  
 (Refer to detailed P/N on next page(s))

Directive: **DIR 2014/30/EU, EMC Directive**  
 EMC Standard(s): **EN 55011:2016/A2:2021**  
**EN 50121-3-2:2016/A1:2019**  
**EN 50121-4:2016/A1:2019**

Prepared by:



**Dubnica nad Váhom, Slovakia**  
 (Manufacturer)  
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**Dubnica nad Váhom, Slovakia**  
 (Place)

**Feb 24<sup>th</sup>, 2024**  
 (Date)

Approved by:



**Santa Clara, Ca. USA**  
 Editha S. Vergara, Global Director,  
 Safety & Environmental Compliance

**Santa Clara, Ca. USA**  
 (Place)

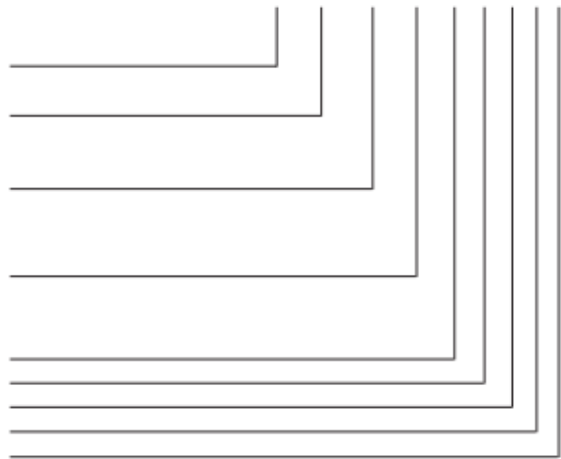
**Feb 24<sup>th</sup>, 2024**  
 (Date)



**Part Number Description**

Operating input voltage $V_{i\text{cont}}$ (continuously):	
50.4 – 90 VDC .....	72
77 – 137.5 VDC .....	110
Series .....	RCM
Output power:	
500 W .....	500
1000 W .....	1000
Nominal output voltage:	
24 V .....	-24
Auxiliary functions and options:	
Out OK, output voltage adjust, shutdown <sup>1</sup> .....	D
Interruption time .....	M
ORing FET.....	Q
Fuse built-in.....	F
Pluggable Connectors .....	K

110 RCM 500 -24 D M Q F K



<sup>1</sup> Opt. D requires the auxiliary connector.

**Note:** The sequence of options must follow the order above.

**Note:** All models are RoHS-compliant for all six substances.

Available combinations of options:  
 72/110RCMxxx-24 (K)  
 72/110RCMxxx-24D (K)  
 72/110RCMxxx-24DF (K)  
 72/110RCMxxx-24DMQ (K)  
 72/110RCMxxx-24DMQF (K)

Example: 110RCM500-24DMQ: DC-DC converter, input voltage range 77 to 137.5V continuously, output providing 24 V /21 A, monitoring relay, output voltage adjust, shutdown input, active current sharing, interruption time 10 ms, integrated ORing FET, RoHS-compliant for all six substances.